



Layer of Protection Analysis (LOPA) Masterclass

HSE & Process Safety

QGT-HSE-191 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Layer of Protection Analysis (LOPA) Masterclass is a senior-level masterclass on strategy and performance in Layer of Protection Analysis (LOPA). It covers the principles, the requirements of OSHA, ISO 45001, CCPS, IEC 61882 and NFPA, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Layer of Protection Analysis (LOPA)
- Apply the relevant requirements of OSHA, ISO 45001, CCPS, IEC 61882 and NFPA
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for HSE professionals, supervisors, engineers and managers in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Layer of Protection Analysis (LOPA)

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
14–18 Feb 2027	Algiers	Classroom	5 days	\$5,500
16–27 May 2027	Amman	Classroom	10 days	\$9,900
12–16 Jul 2027	Tunis	Classroom	5 days	\$5,500
5–16 Sep 2027	Riyadh	Classroom	10 days	\$9,900
4–8 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 Feb 2028	Singapore	Classroom	5 days	\$5,500
6–17 Mar 2028	Kuala Lumpur	Classroom	10 days	\$9,900
3–7 Apr 2028	Zurich	Classroom	5 days	\$5,500
17–28 Jul 2028	Brussels	Classroom	10 days	\$9,900
28 Aug – 1 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
8–12 Jan 2029	Manchester	Classroom	5 days	\$5,500
29 Jan – 9 Feb 2029	Lagos	Classroom	10 days	\$9,900
12–16 Feb 2029	Budapest	Classroom	5 days	\$5,500
6–17 Aug 2029	Berlin	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
29 Apr – 3 May 2030	Nairobi	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Prague	Classroom	10 days	\$9,900
24–28 Jun 2030	Istanbul	Classroom	5 days	\$5,500
26 Aug – 6 Sep 2030	Tbilisi	Classroom	10 days	\$9,900
28 Oct – 1 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/layer-of-protection-analysis-lopa-masterclass/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

